

## Product datasheet for **TA392857**

### PSMC3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000 IHC: 1:50~1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 180-230 of Human PSMC3.
Specificity:	PSMC3 (V306) polyclonal antibody detects endogenous levels of PSMC3 protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 49 kDa
Gene Name:	proteasome 26S subunit, ATPase 3
Database Link:	<a href="#">Entrez Gene 5702 Human P17980</a>



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**Background:**

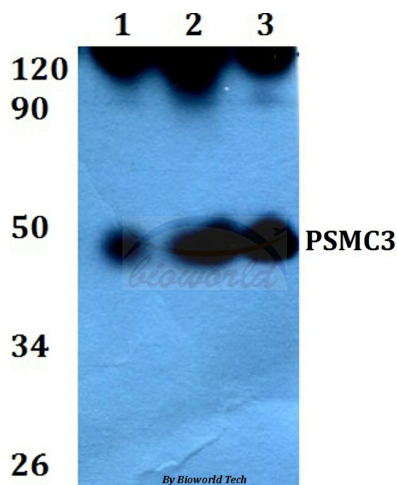
The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases that have chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. A pseudogene has been identified on chromosome 9.

**Synonyms:**

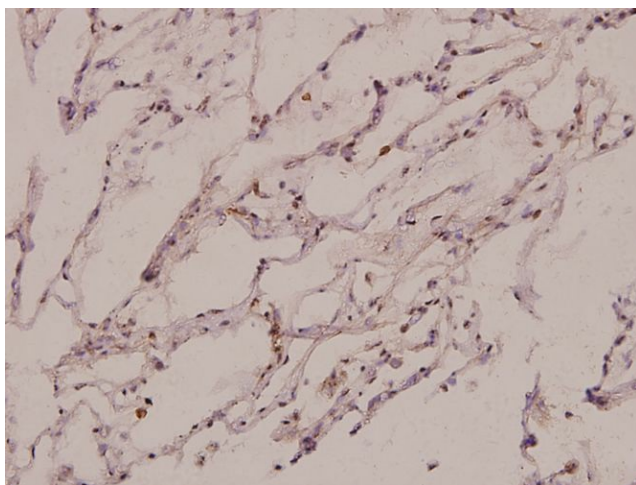
26S protease regulatory subunit 6A; 26S proteasome AAA-ATPase subunit RPT5; Human immunodeficiency virus tat transactivator binding protein 1; MGC8487; Proteasome (prosome macropain) 26S subunit ATPase 3; Proteasome 26S ATPase subunit 3; Proteasome 26S subunit ATPase 3; Proteasome subunit P50; PRS6A; PSMC 3; PSMC3; TAT-binding protein 1; Tat binding protein 1; TBP-1; TBP1

**Note:**

For research use only, not for use in diagnostic procedure.

**Product images:**


Western blot (WB) analysis of PSMC3 (V306) pAb at 1:500 dilution Lane1:MCF-7 whole cell lysate(20ug) Lane2:HEK293T whole cell lysate(20ug) Lane3:The Uterus tissue lysate of Rat(20ug) Lane4:The Kidney tissue lysate of Mouse(40ug)



Immunohistochemistry (IHC) analyzes of PSMC3 (V306) pAb in paraffin-embedded human lung carcinoma tissue at 1:100.